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SOURCE Radio, No 8, 1950, pp 54-56.CZECHOSLOVAK RADIO RECEIVERS

A. Komarov

The "Tesla" Radio Combine of Czechoslovakia, in addition to various other equipment, manufactures the table-model radio receivers described below.

Rytmus and Pioneer Receivers

The Rytmus and Pioneer sets are identical except for external appearance and certain constructional features. Their circuit design is of the all-wave ac/dc superhet type with four tubes. They have plastic cabinets and three control knobs, two of which (tuning and band switch) are on the right side panel and the third (volume control, line switch and two step tone control), on the left side panel. The dynamic loudspeakers have permanent magnets and are 160 mm in diameter.

The sets use the following tubes of the U-series with high-voltage heaters:

UCH 21 heptode-triode -- frequency converter;
 UCH 21 -- 1f amplifier and first audio amplifier;
 UBL 21 duodiode-pentode -- detector, AVC, and final audio amplifier;
 UYIN kenotron -- half-wave rectifier without power transformer.

A separate series of the Pioneer set is manufactured with a visual tuning indicator [electron-ray tube], Type EM 11.

When operating on 220-v ac, the sets have an output power of 3-w; on 110 v the output is 0.7 w.

Kongress, Harmony, and Largo Receivers

These sets are six-tube all-wave ac superhets using the following tubes of the E-series in each case:

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ECH 21 -- frequency converter;
EF 22 pentode -- if amplifier;
EF 22 -- first audio amplifier;
EBL 21 -- detector, AVC and final amplifier;
AZ 11 -- kenotron;
EM 11 -- visual tuning indicator.

The three sets have similar circuits and differ from each other only in external appearance, certain constructional features, and in the tuning circuits of the short-wave band.

For example, in the Kongress set the 13.5 - 50 m short-wave band is divided into two separate bands. The Harmony set has bandspread tuning in any part of the short-wave band by means of concentric tuning knobs.

The Largo set has eight bands, six of which are in the short-wave range (50, 41, 31, 25, 19, and 13-11 meters). The ninth position of the band switch is for the sound pickup. Nine window slots under the speaker indicate the position of the band switch.

All three sets feature attractive, polished-wood cabinets.

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